

ABSTRACT

A system and method for displaying 3D data are presented. The method involves subdividing a 3D display region into two or more display subregions, and assigning a set of display rules to each display subregion. Visible portions of a 3D data set in
5 each display subregion are displayed according to the rules assigned to that display subregion. In an exemplary embodiment of the present invention the boundaries of the display regions, the display rules for each display subregion, and the 3D data sets assigned to be displayed in each display subregion can be set by a user, and are interactively modifiable by a user during the display. In exemplary embodiments of
10 the invention the same 3D data can be displayed in each display subregion, albeit using different display rules. Alternatively, in other exemplary embodiments of the present invention, a different 3D data set can be displayed in each display subregion. In still other exemplary embodiments of the present invention, the various 3D data sets can comprise scans of the same object or body using different sensing modalities.

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